



The Solutions Network

Rochester, New York

# Air Force Renewable Energy Program

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## AF Renewable Energy

- ❖ Supplement to AF Energy Conservation Program
- ❖ CY03 – 207 Gwh purchased, 40% of Federal renewable power purchase
- ❖ Includes all renewable energy options
- ❖ Goal – purchase energy at or less than current prices
- ❖ Green tags a short term option

August 8-11, 2004

[www.energy2004.ee.doe.gov](http://www.energy2004.ee.doe.gov)



## AF Renewable Energy

- ❖ Purchase large quantities of energy and have WAPA, Bonneville, or grid do firming and shaping
- ❖ Purchase energy firming and shaped
- ❖ Biomass opportunities
  - Landfill gas (Hill AFB UT)
  - Power from Animal waste
  - Power from used Tires

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## AF Renewable Energy

❖ Cannon AFB NM	1.8 Gwh	3.0%
❖ Dyess AFB TX	78.0 Gwh	100.0%
❖ Edwards AFB CA	132.0 Gwh	60.0%
❖ Grand Forks ND	1.8 Gwh	2.6%
❖ Schriever AFB CO	1.8 Gwh	2.5%
❖ Sheppard AFB TX	6.3 Gwh	5.0%
❖ F.E. Warren AFB WY	3.7 Gwh	3.3%
❖ Minot AFB ND	4.0 Gwh	2.0%

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## AF Renewable Energy

❖ Laughlin AFB TX	4.2 Gwh	10%
❖ Goodfellow AFB TX	13.5 Gwh	30%
❖ Fairchild AFB WA	55.7 Gwh	100%
❖ Lackland AFB TX	1.8 Gwh	1.3%
❖ Ellsworth AFB SD	2.2 Gwh	3.0%
TOTAL	306.8 Gwh	

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